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Χ.	A filter	comprising

- a filter element;
- a core member in fluid communication with the filter element; and
- a sleeve of a substantially fluid non-permeable material surrounding at least a portion of one end of the filter element.
- 2. A filter of claim 1 wherein the sleeve surrounds substantially all of the filter element and has perforations through a portion of the sleeve with the perforations in the sleeve toward one end of the filter element.
- 3. A filter of claim 1 wherein the filter element is comprises a material selected from pleated media and non-pleated media.
- 4. A filter of claim 3 wherein the non-pleated media is selected from the group comprising wrapped media, solid media and granular media.
- 5. A filter element of claim 3 wherein the pleated media comprises a material selected from the group comprising cellulose, polypropylene, polyethylene, polyester, fiberglass, cloth, paper, nylon, orlon, teflon and combinations thereof.

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	6.	F	A filter eleme	ent of claim 4	wherein th	ne wrap	ped media o	comprises	a materia	l selected
from	the	group	comprising	spunbonded	material,	cloth,	polypropyl	ene, polye	ster and	mixtures
there	eof									

- A filter element of claim 1 further comprising a rigid support surrounding the filter element inside the sleeve.
 - A filter element of claim 1 wherein the rigid support further comprises a mesh. 8.
- 9. A filter element of claim 1 wherein the core member comprises a rigid perforated tube.

A filter comprising:

a housing with a fluid inlet and a fluid outlet;

a filter element disposed within the housing;

said filter element having a central core in fluid communication with the filter element;

the fluid outlet of the housing in communication with the central core; and a sleeve of a substantially fluid non-permeable material surrounding at least a portion of one end of the filter element preventing fluid flow into the filter element.

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- 11. A filter of claim 10 wherein the fluid inlet of the housing is towards the end of the filter surrounded by the sleeve.
- 12. A filter of claim 10 wherein the sleeve member surrounds substantially all of the filter element and has perforations through a portion of the sleeve with the perforations in the sleeve toward one end of the filter element and providing fluid communication to the filter element.
- on which the filter element abuts and has a central cylindrical extension in fluid communication with the central core and has a seal member on the central cylindrical extension and is coupled to the outlet of the housing.
- 14. A filter of claim 13 wherein the seal member further comprises a gasket, said gasket configured to direct the fluid from the central core through the outlet of the housing.
- 15. A filter of claim 10 wherein the filter element comprises a material selected from pleated media and non-pleated media.
- 16. A filter of claim 15 wherein the non-pleated media is selected from the group comprising wrapped media, solid media and granular media.

A filter element of claim 16 wherein the pleated media comprises a material selected

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pleated filter media;

the sleeve having perforations through one of the top and the bottom of the sleeve
capable of providing fluid communication to the filter element;
a circular top end cap covering and securing the sleeve, the top of the filter element
and the core; and
a circular bottom end cap with a central cylindrical extension in fluid communication
with the central core, said bottom cap securing and covering the sleeve and
the bottom of the filter element.

23. A filter of claim 22 further comprising a seal member on the central cylindrical extension of the bottom end cap adaptable to be received in a filter housing to provide a substantially leak-proof connection.

4. A filter comprising:

a filter element;

a core member in the filter element extending a partial length of the filter element from one end of the filter element; and said core member composed of a substantially fluid non-permeable material.

25. A filter of claim 24 wherein the core member extends substantially the length of the filter and has fluid communication to the core member toward one end of the filter element.

- 26. A filter of claim 24 wherein the filter element comprises a material selected from pleated media and non-pleated media.
- 27. A filter of claim 26 wherein the non-pleated media is selected from the group comprising wrapped media, solid media and granular media.
 - 28. A filter element of claim 26 wherein the pleated media comprises a material selected from the group comprising cellulose, polypropylene, polyethylene, polyester, fiberglass, cloth, paper, nylon, orlon, teflon and combinations thereof.
 - 29. A filter element of claim 27 wherein the wrapped media comprises a material selected from the group comprising spunbonded material and cloth.
 - 30. A filter element of claim 24 further comprising a rigid support surrounding the filter element which allows for fluid flow into the filter element.
 - 31. A filter element of claim 30 wherein the rigid support further comprises a mesh.
 - 32. A filter element of claim 24 wherein the core member comprises a rigid member.
- 33. A filter element of claim 32 wherein the central core is a rigid perforated cylindrical member.

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34.	A filter comprising:
,	a housing with a fluid inlet;
	a filter element disposed within the housing;
	said filter element having a central core with a fluid non-permeable portion toward
	one end of the filter and the central core in fluid communication with the
	filter element on the other end of the filter;
	said housing having a fluid inlet in communication with the central core; and

A filter of claim 34 wherein the central core extends the length of the filter and has 35. perforations through a portion of the central core toward one end of the filter element.

said housing having a fluid outlet.

- A filter of claim 34 wherein the central core is joined to an end cap on which the filter 36. element abuts and which end cap has a central cylindrical extension in fluid communication with the central core and has a seal member on the outside of the central cylindrical extension which is coupled to the inside of the inlet of the housing.
- A filter of claim 36 wherein the seal member further comprises a gasket, said gasket 37. configured to direct the fluid into the filter element.
- A filter of claim 34 wherein the filter element comprises a material selected from 38. pleated media and non-pleated media.

- 39. A filter of claim 38 wherein the non-pleated media is selected from the group comprising wrapped media, solid media and granular media.
- 40. A filter element of claim 38 wherein the pleated media comprises a material selected from the group comprising cellulose, polypropylene, polyethylene, polyester, fiberglass, cloth, paper, nylon, orlon, teflon and combinations thereof.
 - 41. A filter element of claim 39 wherein the wrapped media comprises a material selected from the group comprising spunbonded media and cloth.
 - 42. A filter element of claim 34 further comprising a rigid support surrounding the filter element.
 - 43. A filter element of claim 42 wherein the rigid support comprises a mesh.
 - 44. A filter element of claim 34 further comprising a top cap which covers the top of the central core.

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A method of filter fluids comprising the steps of:

flowing at least two fluids into a housing;

passing the fluids around a filter element partially surrounded by an a non-permeable barrier at the lower end of the filter element;

allowing the fluids to separate by gravity so that the lighter fluid can flow above the
sleeve in the housing above the barrier;
further passing the lighter fluid through a filter media;
collecting the lighter fluid after passing through the filter element; and
collecting the heavier fluid in the housing.

46. A method of filtering fluids of claim 45 wherein the fluid mixture contains solids and additionally filtering the solids by the filter element.

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A method of filter fluids comprising the steps of:

flowing at least two fluids into a housing;

passing the fluids around a filter element partially surrounded by an a non-permeable

barrier at the upper end of the filter element;

allowing the fluids to separate by gravity so that the lighter fluid can flow above the

sleeve in the housing adjacent to the barrier

further passing the heavier fluid through a filter media;

collecting the heavier fluid after passing through the filter element; and

collecting the lighter fluid in the housing.

48. A method of filtering fluids of claim 47 wherein the fluid mixture contains solids and additionally filtering the solids by the filter element.